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File: DWPI

Aug 13, 1981

DERWENT-ACC-NO: 1981-70852D

DERWENT-WEEK: 198139

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TITLE: Refill pencil lead - contg. PTFE powder, which is sintered for ordinary leads and non-sintered for colour pencils

PATENT-ASSIGNEE:

ASSIGNEE

MITSUBISHI PENCIL CO

CODE

MISP

PRIORITY-DATA: 1980JP-0003192 (January 16, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 56100874 A</u>	August 13, 1981		005	

INT-CL (IPC): C09D 13/00

ABSTRACTED-PUB-NO: JP56100874A

BASIC-ABSTRACT:

A refill lead contains fine powder of polytetrafluoroethylene. The refil lead is utilised for ordinary refill lead by sintering and non-sintered refill lead for colour pencils. Amt. of PTFE is 0.5-20% wt. in the case of sintered refill lead compsn. as a binder and is 0.5-5% wt. for non-sintered refill lead.

In an example 25 pts. wt. red lake pigment, 50 pts.wt. talc, 25 pts. oxidised wax and 3 pts. wt. PTFE powder are mixed and dispersed by Henschel mixer and then extruded by a screw extruder of 50 mm to form a red pencil lead of 3 mm in size. The resulting pencil lead has 3500 g/mm² bending strength and has smooth writing properties. This depends on fine network is highly micronised fibre prod.

TITLE-TERMS: REFILL PENCIL LEAD CONTAIN PTFE POWDER SINTER ORDINARY LEAD NON SINTER COLOUR PENCIL

ADDL-INDEXING-TERMS:

POLY TETRA FLUOROETHYLENE

DERWENT-CLASS: A14 A84 G02

CPI-CODES: A04-E08; A12-D05; A12-S09; G02-A04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0210 0231 0947 2331 2494 2541 2632 2651 2682 2763

Multipunch Codes: 011 04- 062 064 087 392 393 551 567 570 575 592 593 609 641 686
688 720